

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2004	
APPROPRIATION/BUDGET ACTIVITY Weapons Procurement, Navy						P-1 ITEM NOMENCLATURE Tomahawk (MYP)					
Program Element for Code B Items: BA2/Other Missiles P.E. #0204229N						Other Related Program Elements					
	Prior Years	ID Code	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Program
QUANTITY	4,226	B	350	350	293	419	434	485	424		6,981
Gross P-1 Cost (\$M)	\$8,012.851		\$437.054	\$302.645	\$265.178	\$359.372	\$390.435	\$454.786	\$427.010	\$0.000	\$10,649.331
EOQ Credit					-\$8.982	-\$12.845	-\$13.305	-\$14.868			-\$50.000
Net P-1 Cost (\$M)	\$8,012.851		\$437.054	\$302.645	\$256.196	\$346.527	\$377.130	\$439.918	\$427.010	\$0.000	\$10,599.331
Adv Proc/EOQ (\$M)				\$50.000							\$50.000
Wpn Sys Cost (\$M)	\$8,012.851		\$437.054	\$352.645	\$256.196	\$346.527	\$377.130	\$439.918	\$427.010	\$0.000	\$10,649.331
Initial Spares (\$M)	\$313.518										\$313.518
Proc Cost (\$M)	\$8,326.369		\$437.054	\$352.645	\$256.196	\$346.527	\$377.130	\$439.918	\$427.010	\$0.000	\$10,962.849
Unit Cost (\$M)	\$1.970		\$1.249	\$1.008	\$0.874	\$0.827	\$0.869	\$0.907	\$1.007	\$0.000	\$1.570

Description:
Tomahawk provides an attack capability against targets on land (Tomahawk Land Attack Missile (TLAM)), and can be launched from both surface ships (RGM) and submarines (UGM).

Tomahawk consists of the following variants: (1) UGM -109A, Land Attack Nuclear; (2) RGM/UGM-109B, Antiship; (3) RGM/UGM-109C, Land Attack Conventional; (4) RGM/UGM-109D, Land Attack Submunition Dispenser; (5) RGM/UGM-109E, Tactical Tomahawk. The Land Attack Anti-ship Surface Launch Nuclear versions are no longer in Fleet use. The land-attack version in the Fleet is used for precision destruction of targets at long range.

Production of the Tactical Tomahawk missile began with Low Rate Initial Production (LRIP) buys of 25 in FY2002 and 350 in FY2003. Full rate production commences in FY2004. FY2004-FY2008 unit cost based on approval of multi-year procurement (MYP). The contractor's production offer of \$569 (FY99\$) level unit price, plus Government incentives and award fees are factored into the multi-year pricing. The FY04 Authorization and Appropriations Act authorized the Navy to pursue a MYP contract. If MYP is not approved, additional funds will be required to maintain procurement quantity. FY2004 EOQ supports economic order quantity procurements for the MYP.

Characteristics and dimensions (approximate)

Weight (with booster and capsule) (UGM-109): 4,300 pounds

Weight (with booster and canister) (RGM-109): 4,000 pounds

Length (with booster): 20.5 feet

Wing Span: 8.6 feet

Cruise Speed: High Subsonic

Contractor: Raytheon Missiles Systems Company

FY2003 Iraq Freedom Fund (IFF) - \$193 million, replaces 183 missiles expended in OIF.

FY2002 Defense Emergency Response Fund (DERF) - \$350 million, 454 missiles remanufactured to the Block III configuration.

P-1 SHOPPING LIST

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WEAPONS PROCUREMENT, NAVY
FY 2005 DEPARTMENT OF THE NAVY BUDGET
MISSILE COST ANALYSIS
EXHIBIT P-5
(Dollars in Thousands)

Missile Nomenclature & Popular Name: TOMAHAWK (J2EL)(PEO(W)) (BLI: 210100) (MYP)

Date: February 2004

<u>Cost Elements</u>	<u>Prior Years Total Cost</u>	<u>FY 2003 Quantity</u>	<u>Quantity Unit Cost</u>	<u>FY 2004 Total Cost</u>	<u>FY 2004 Quantity</u>	<u>Quantity Unit Cost</u>	<u>FY 2005 Total Cost</u>	<u>FY 2005 Quantity</u>	<u>Quantity Unit Cost</u>	<u>Total Cost</u>
<u>Missile Hardware</u>										
Previous Tomahawk Production	5,611,035									
Tactical Tomahawk	35,298	350	1,077	376,950	350	652	228,305	293	663	194,113
Remanufacture (Block III)	<u>592,217</u>									
Subtotal Hardware	6,238,550	350		<u>376,950</u>	350		<u>228,305</u>	293		<u>194,113</u>
<u>Non-Recurring Tooling</u>										
	24,500			13,590						
<u>Other Hardware*</u>										
CCLS Submarine Capsules	962	113	199	22,470	125	233	29,124	97	282	27,306
Canisters	<u>846</u>	237	62	<u>14,792</u>	225	87	<u>19,486</u>	196	90	<u>17,628</u>
Subtotal Other Hardware	1,808	350		<u>37,262</u>	350		<u>48,610</u>	293		<u>44,934</u>
<u>Production Support</u>										
Product Improvement	378,947									
Systems Engineering	283,203			3,841			10,682			10,849
Production Engineering	<u>608,057</u>			<u>3,694</u>			<u>10,272</u>			<u>10,432</u>
Subtotal Production Support	1,270,207			7,535			20,954			21,281
Total Flyaway Cost	7,535,065			435,337			297,869			260,328
<u>Other Support Costs</u>										
Theater Mission Planning Center	255,044									
Support Equipment	114,354			584			1,624			1,649
Training Equipment	79,420			824			2,292			2,328
Documentation	<u>28,968</u>			<u>309</u>			<u>860</u>			<u>873</u>
Subtotal Other Support Costs	477,786			<u>1,717</u>			<u>4,776</u>			<u>4,850</u>
Total Support Costs	477,786			1,717			4,776			4,850
Gross P-1	8,012,851			437,054			302,645			265,178
EOQ Credit										-8,982
Net P-1	8,012,851			437,054			302,645			256,196
EOQ							50,000			
Weapon Systems Cost	8,012,851			437,054			352,645			256,196
Initial Spares	<u>313,518</u>									
Total Program Cost	8,326,369		1,249	<u>437,054</u>		1,008	<u>352,645</u>		874	<u>256,196</u>
<u>Non Add: FY 2002 DERF</u>										
Tomahawk Remanufacture	350,000									

*The unit cost for Canisters and Capsules is derived from the most economical combination of used (refurbished), upgraded, and new Canisters and Capsules.

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System TOMAHAWK		A. DATE February 2004			
B. APPROPRIATION/BUDGET ACTIVITY Weapons Procurement, Navy BA2/Other Missiles					C. P-1 ITEM NOMENCLATURE Tomahawk (PEO(W)) (BLI: 210100) (MYP)				SUBHEAD J2EL	
COST ELEMENT/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
<u>TACTOM All-Up-Round</u> 01000/FY02	25	1,412	NAVAIR	Jun 01	SS/FPI	Raytheon Missile Systems Co., Tucson, AZ	Oct 02	May 04	YES	N/A
01000/FY03	167	1'250	NAVAIR	Jun 01	SS/FPI	Raytheon Missile	Jan 03	Oct 04	YES	N/A
01000/FY03	183	920	NAVAIR	Nov 03	SS/FP	Raytheon Missile Systems Co., Tucson, AZ	Jan 04	Sep 05	YES	N/A
01000/FY04*	350	653	NAVAIR	Jul 03	SS/FP (MYP)	Raytheon Missile Systems Co., Tucson, AZ	Jun 04	Jan 06	YES	N/A
01000/FY04 for FY05-FY08 EOQ			NAVAIR	Jul 03	AAC/MYP	Raytheon Missile Systems Co, Tucson, AZ	Jun 04		YES	N/A
01000/FY05*	293	664	NAVAIR	Jul 03	SS/FP (MYP)	Raytheon Missile Systems Co., Tucson, AZ	Jun 04	Nov 06	YES	N/A
<u>TLAM REMAN</u> FY 2002 DERF	454	771	NAVAIR	Dec 01	SS/FP	Raytheon Missile Systems Co., Tucson, AZ	Dec 01	Aug 03	YES	N/A
D. Remarks: *Quantity based upon Tactical Tomahawk Multi-year Procurement in FY2004-FY2008.										

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Exhibit MYP-1, Multiyear Procurement Criteria
Program: Tactical Tomahawk

1. Multiyear Procurement Description:

This proposed multiyear procurement (MYP) covers the purchase of 1981 Block IV Tactical Tomahawk missiles in FY 2004 through FY 2008 under a single five-year fixed-price contract. These missiles constitute the first five years of Full Rate Production (FRP) of Tactical Tomahawk, following two years of Low Rate Initial Production (LRIP) in FY 2002 and FY 2003, during which 192 Tactical Tomahawk missiles will be produced. An additional LRIP has been funded via the FY2003 Supplemental Appropriations, and will procure an estimated 183 missiles prior to the beginning of the MYP in FY2004. This MYP strategy has been structured to achieve significant savings while providing increased operational responsiveness, flexibility and reliability.

The MYP up front investment costs for non-recurring start-up expenses were funded in FY 2002 and FY 2003 as part of the LRIP effort to support planned FRP in FY 2004. Advanced procurement in the amount of \$50M is provided as part of the FY 2004 budget to cover economic order quantities. As compared to annualized procurements, this multiyear procurement will achieve \$133M of savings over the five-year period. This is equivalent to 9.0% of the total annualized cost to procure the same quantity.

The MYP contract will set a target quantity for each fiscal year of the contract, but allow for a quantity range of missiles in each fiscal year to allow the Government the flexibility to meet emergent requirements for more missiles, including those for foreign military sales customers, while maintaining the MYP and the savings established in the baseline. This flexibility can also accommodate a range of missile deletions without forgoing MYP benefits, but deletions may erode some of the overall savings due to a reduction in economies of scale and the amortization of non-recurring efforts, which will have already occurred.

2. Benefits to the Government:

a. Substantial Savings:

Implementation of this MYP will yield significant opportunity for cost avoidance through the five-year term of this contract. The total cost savings/avoidance for FY 2004 through FY 2008 associated with this contract are estimated to be \$133M (TY\$). The cost savings will be generated as a result of Economic Order Quantity (EOQ) and investment in program specific capital equipment and/or processes that would not meet the contractor's Internal Rate of Return objectives under annualized procurements. Some examples include:

Williams International will level-load procurement of cruise missile engine components, such as the start cartridges and pyro igniters, which will allow for the development of a sustainable, efficient production flow process, including the optimization of component acceptance testing, at all tiers of the engine supply chain.

Exhibit MYP-1, Multiyear Procurement Criteria
Program: Tactical Tomahawk

Economic Order Quantity purchases of rocket motor sub-components such as the arm fire device, nozzle throat components, motor casing forgings and the Satellite Data Link Transceiver Viastat.

Administrative costs will be reduced due to there being one proposal, negotiation and contract award process instead of five consecutive single-year contracting actions. Cost reductions will also be realized since the prime contractor can enter into one five-year contract with its subcontractors, at all tiers, instead of five separate actions. The prime contractor will also experience administrative cost reductions in the production planning processes since they will only be required to perform that process once, instead of five times under an annual contracting scenario.

Additionally, given a five-year contract, suppliers will have a greater total business base and stability than would otherwise be the case. As such, they will have added incentive and more opportunity to identify innovative processes and justify capital investments necessary to reduce costs.

b. Stability of Requirement:

The requirement for the Block IV Tactical Tomahawk All Up Round is based on the Tomahawk Baseline IV Operational Requirements Document (ORD) approved 1 Feb 00. The ORD has been updated to reflect the evolution of operational requirements including increased system flexibility to support receipt of missile/mission status, enroute retargeting of the missile to alternate preplanned and preloaded aimpoints or missions via third party command, reduced system response time to enable engagement of emerging and relocatable targets, and improved lethality against a wider target set. The Key Performance Parameters identified in the ORD have remained stable from program inception and are anticipated to remain stable through the production period. These performance parameters have been flowed down and in some areas enhanced in the missile level specification required under the development and production contracts.

As a critical first strike weapon, Tactical Tomahawk production is of operational significance to the Fleet Commanders, who consistently list Tomahawk inventory as one of their top fleet issues. The planned Tactical Tomahawk program contained in the budget will significantly improve inventory posture, a task which has become more critical after Operations Enduring Freedom and Iraqi Freedom where significant numbers of Tomahawks were expended in combat. The currently fielded Block III missile went out of production in 1998, and through emergency supplemental funds in FY99 and FY02, all remaining Block II and some older TASM and Surface-N missiles will be remanufactured to Block III capability. Only 304 of the older TASM and Surface-N missiles remain as potential remanufacture candidates, and these represent the least economically feasible pool for remanufacture. Block IV Tactical Tomahawk production is the best candidate for increasing the inventory of Tomahawk Missiles and will provide more capability at a quicker rate than another Reman program could.

Exhibit MYP-1, Multiyear Procurement Criteria
Program: Tactical Tomahawk

c. Stability of Funding:

The Navy has demonstrated its commitment to a stable funding stream for the Tactical Tomahawk multiyear through every step of the PPBS process. The use of Tomahawk in recent operations has further reduced the inventory of Tomahawk assets to support future, deep-strike, land attack missions. Congress has expressed the desire to enter Tactical Tomahawk production at the earliest opportunity by providing additional funding in FY02 (Congressional Add) for the procurement of non-recurring engineering/special tooling and test equipment to realize Full Rate Production levels as soon as possible and increasing FY04 appropriation to \$352.645M (including congressional undistributed adjustments) for 350 missiles. In addition, the Navy provided funding in FY03 for the remaining non-recurring costs.

d. Stable Design:

The Tactical Tomahawk has undergone a five-year Engineering & Manufacturing Development (E&MD) phase. This phase included significant component level testing, AUR level qualification testing, system level integration testing, Functional Ground Tests and two Contractor Development Test Flights (DT-0 and DT-1) of the All-Up-Round. The DT-0 test flight was successfully conducted in Aug 02, and the DT-1 test flight was successfully conducted in Nov 02. Both test flights demonstrated and met all required test objectives. The technical success and design maturity demonstrated by the DT-0 and DT-1 tests allowed for the initiation of the Low-Rate Initial Production I (LRIP-I) program in Oct 02 and the LRIP-2 option award in Jan 03, respectively. The Tactical Tomahawk AUR is meeting and in most areas exceeding its design performance requirements.

All four TECHEVAL shots, including two live warhead shots, were flown in FY2003 and each successfully met all test objectives. The program has completed all Government Technical Evaluation (TECHEVAL) events and has entered Operational Evaluation Testing. Operational Evaluation (OPEVAL) testing will complete in 2nd quarter FY04 followed by Initial Operational Capability (IOC). The FRP decision, Milestone III, is scheduled for 3rd quarter of FY04 with the multiyear procurement contract to be awarded immediately following.

In conclusion, Tactical Tomahawk has completed its design development and is meeting and exceeding all design performance requirements. Government testing activities will provide the final design interface verification assessment to ensure that the complete weapon system design configuration is stable prior to commencement of full rate production. The contractor's technical success, production and experience from prior Block Tomahawks, and the substantial knowledge gained over the Tactical Tomahawk's test program, provide for a technically mature design with which to enter into a MYP.

Exhibit MYP-1, Multiyear Procurement Criteria
Program: Tactical Tomahawk

e. Realistic Cost Estimate:

The Program Office in conjunction with the contractor, the NAVAIR Cost Analysis group (AIR-4.2), and NAVAIR contracts (AIR-2.4) has participated in the formulation of a Common Cost Model. The Navy Center for Cost Analysis had an advisory position on this team. The Common Cost Model is based upon estimated costs to the Prime contractor based on invoices, purchase orders, sub-contractor proposed prices, and the material and labor costs from LRIP. This model was used to derive both projected Multi-year and Annualized costs by accounting for differences in sub-contractor proposals for multi-year versus stand-alone contracts. In addition to this Common Cost Model, NCCA formulated a projected unit cost based on parametric analysis. The estimated unit cost for Tactical Tomahawk in FRP based on the Common Cost Model is within the range predicted by NCCA.

f. National Security:

The Quadrennial Defense Review, Defense Planning Guidance and Navy Non Nuclear Ordinance Requirement have set the requirements for Tomahawk significantly above current inventory levels. In support of National Security requirements and future objectives, the establishment of a sustaining industrial base with surge capability for this critical first strike weapon is essential in supporting the National Military Strategy.

3. Source of Savings:

	<u>\$ in Millions</u>
Inflation	2.99
Vendor Procurement	63.64
Manufacturing	45.35
Other	<u>20.83</u>
Total	132.81

4. Advantages of the MYP

This MYP strategy has been structured to achieve significant savings (\$133M) over annualized procurements. The MYP strategy is also planned to allow a quantity range of missiles in each FY, allowing the Government the flexibility to meet emergent requirements for more missiles, potentially including that for foreign military sales customers, while maintaining the MYP and the savings already established in the baseline. This flexibility can also yield missile deletions without forgoing MYP benefits, but this may erode some of the overall savings due to a reduction in economies of scale and the amortization of non-recurring efforts, which will have already occurred.

Exhibit MYP-1, Multiyear Procurement Criteria
Program: Tactical Tomahawk

5. Impact on Industrial Base:

Implementation of this MYP will also yield a favorable impact on the industrial base. The stability afforded by the use of a MYP will allow the prime contractor to enter into long term agreements with subcontractors and suppliers, at every tier, which will provide substantial cost avoidance. Such long term agreements incentivize both the prime and subcontractors to invest in process improvements such as those cited above, thereby yielding long term benefits in terms of product quality and cost. The stability of the prime multiyear contract will also foster improved competition at the subcontractor level, as the offer of a longer term business arrangement will encourage more aggressive pursuit of a contract award. The contractor and subcontractors will face reduced risk when implementing production process improvements, facility improvements, tooling design improvements, and fabrication process improvements. The ability for the Government and industry to enter into a long term agreement will allow industry the opportunity to place capital investments upfront, which reduces the overall cost and improves the quality of the Tactical Tomahawk missile.

6. Multiyear Procurement Summary: (\$M)

	<u>Annual Contracts</u>	<u>MYP Alternate</u>
Quantity	1,981	1,981
Total Contract Price	\$1,476.7	\$1,343.9
Cancellation Ceiling (highest point)		
<i>Funded</i>		
<i>Unfunded</i>		\$17.4
\$ Cost Avoidance Over Annual		\$132.8
% Cost Avoidance Over Annual		9.0%

Exhibit MYP-2, Total Program Funding Plan					Date February 2004						
Appropriation/Budget Activity Weapons Procurement Navy/BA-2 Other Missiles					P-1 Line Item Nomenclature TOMAHAWK (J2EL)(PEO(W))(BLI:210200)						
	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	Total
Procurement Quantity				350	293	419	434	485			1981
Annual Procurement											
Gross Cost				342299	292374	383155	412825	474579			1905232
Less PY Adv Procurement				-	-	-	-	-			-
Net Procurement (=P-1)				342299	292374	383155	412825	474579			1905232
Plus CY Adv Procurement				-	-	-	-	-			-
Weapon System Cost				342299	292374	383155	412825	474579			1905232
Multiyear Procurement											
Gross Cost (P-1)				302645	265178	359372	390435	454786			1772416
Less PY Adv Procurement				-	-8982	-12845	-13305	-14868			-50000
Net Procurement (=P-1)				302645	256196	346527	377130	439918			1722416
Advance Procurement											
For FY 2004				-	-	-	-	-			
For FY 2005				8982	-	-	-	-			8982
For FY 2006				12845	-	-	-	-			12845
For FY 2007				13305	-	-	-	-			13305
For FY 2008				14868	-	-	-	-			14868
Total Adv Procurement				50000	-	-	-	-			50000
Weapon System Cost				352645	256196	346527	377130	439918			1772416
Multiyear Savings (\$)				-10346	36178	36628	35695	34661			132816
Cancellation Ceiling - Funded											
Cancellation Ceiling - Unfunded				15686	17353	16335	10950				
OUTLAYS											
Annual				21778	229006	340838	355003	411457	359248	187902	1905232
Multiyear				27733	206610	310908	341834	378143	330048	177140	1772416
Savings				-5955	22396	29930	13169	33314	29200	10762	132816
Remarks											

Exhibit MYP-3, Contract Funding Plan					Date February 2004						
Appropriation/Budget Activity Weapons Procurement Navy/BA-2 Other Missiles					P-1 Line Item Nomenclature TOMAHAWK (J2EL)(PEO(W))(BLI:210200)						
	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	Total
Procurement Quantity				350	293	419	434	485			1981
Annual Procurement											
Gross Cost				267959	221309	306650	320982	359778			1476678
Less PY Adv Procurement				-	-	-	-	-			-
Net Procurement (=P-1)				267959	221309	306650	320982	359778			1476678
Plus CY Adv Procurement				-	-	-	-	-			-
Contract Price				267959	221309	306650	320982	359778			1476678
Multiyear Procurement											
Gross Cost (P-1)				228305	194113	282867	298592	339985			1343862
Less PY Adv Procurement				-	-8982	-12845	-13305	-14868			-50000
Net Procurement (=P-1)				228305	185131	270022	285287	325117			1293862
Advance Procurement											
For FY 2004				-	-	-	-	-			
For FY 2005				8982	-	-	-	-			8982
For FY 2006				12845	-	-	-	-			12845
For FY 2007				13305	-	-	-	-			13305
For FY 2008				14868	-	-	-	-			14868
Total Adv Procurement				50000	-	-	-	-			50000
Contract Price				278305	185131	270022	285287	325117			1343862
Multiyear Savings (\$)				-10346	36178	36628	35695	34661			132816
Multiyear Savings (%)											9.0%
Cancellation Ceiling - Funded											
Cancellation Ceiling - Unfunded				15686	17353	16335	10950				
OUTLAYS											
Annual				2227	185040	284289	282703	323005	287708	111706	1476678
Multiyear				8182	162644	254359	269534	289691	258508	100944	1343862
Savings				-5955	22396	29930	13169	33314	29200	10762	132816
Remarks											

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2004					
APPROPRIATION/BUDGET ACTIVITY Weapons Procurement, Navy							P-1 ITEM NOMENCLATURE Tomahawk EOQ (MYP)					
Program Element for Code B Items: BA2/Other Missiles P.E. #0204229N							Other Related Program Elements					
	Prior Years	ID Code	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
COST (In Millions)		B			\$50.000							\$50.000
<p><u>MISSION AND DESCRIPTION:</u></p> <p>Tomahawk provides an attack capability against targets on land (Tomahawk Land Attack Missile (TLAM)), and can be launched from both surface ships (RGM) and submarines (UGM).</p> <p>Tomahawk consists of the following variants: (1) UGM -109A, Land Attack Nuclear; (2) RGM/UGM-109B, Antiship; (3) RGM/UGM-109C, Land Attack Conventional; (4) RGM/UGM-109D, Land Attack Submunition Dispenser; (5) RGM/UGM-109E, Tactical Tomahawk. The Land Attack Anti-ship Surface Launch Nuclear versions are no longer in Fleet use. The land-attack version in the Fleet is used for precision destruction of targets at long range.</p> <p>Production of the Tactical Tomahawk missile began with Low Rate Initial Production (LRIP) buys of 25 in FY2002 and 167 in FY2003. Full rate production will commence in FY2004. FY2004-FY2008 unit cost based on approval of multi-year procurement (MYP). FY2004 is the only year that includes advanced procurement funding for the Multi-Year Procurement (MYP) contract. The amount includes Economic Order Quantity (EOQ) requirements to support the MYP contract.</p>												

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Exhibit P-10 Advance Procurement Requirements Analysis (Page 1 - Funding)							Date: February 2004						
Appropriation (Treas) Code/CC/BA/BSA/Item Control Number Weapons Procurement, Navy/BA-2, Other Missiles							P-1 Line Item Nomenclature Tomahawk EOQ (MYP)						
Weapon System Tomahawk				First System (BY1) Award Date June 2004				Interval Between Systems Avg 9 Missiles Per Week					
(\$ in Millions)													
	PLT	When Rqd	Prior Years	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	To Complete	Total
Tactical Tomahawk Qty						350	293	419	434	485			1981
EOQ													
FOR FY2005						9.0							9.0
FOR FY2006						12.8							12.8
FOR FY2007						13.3							13.3
FOR FY2008						14.9							14.9
Total AP			0	0	0	50.0	0	0	0	0	0	0	50.0
Description:													
This line item funds EOQ requirements for the FY2004 through FY2008 MYP Tomahawk program.													

P-1 Shopping List Item No.

Exhibit P-10, Advance Procurement Requirements Analysis

Item No. 4

Page No. 2

Exhibit P-10 Advance Procurement Requirements Analysis (Page 2 - Budget Justification)							Date: February 2004		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Weapons Procurement, Navy/BA-2, Other Missiles					Weapon System Tomahawk		P-1 Line Item Nomenclature Tomahawk EOQ (MYP)		
(TOA, \$ in Millions)									
	CY PLT	QPA	Unit Cost	FY 2003 for FY 2004 Qty	FY 2003 Contract Forecast Date	FY 2003 Total Cost Request	FY 2004 for FY 2005 Qty	FY 2004 Contract Forecast Date	FY 2004 Total Cost Request
End Item									
Tactical Tomahawk EOQ							VAR	Jun-04	50.0
Total Advance Proc						0.0			50.0
Description:									